



**RT3 SPORT-DUTY  
SPECIFICATIONS**

**7'0"  
SPORT-DUTY**

**7'6"  
SPORT-DUTY**

**MOLDBOARD**

Moldboard Width (Straight)	84" (213 cm)	90" (229 cm)
Plowing Width @ 30 Deg. Angle	73" (185 cm)	78" (198 cm)
Moldboard Thickness	1/4" Poly (.6 cm)	1/4" Poly (.6 cm)
Moldboard Material	HMW Polyethylene with UV Stabilizer	HMW Polyethylene with UV Stabilizer
Moldboard Height	26"	26"
Cutting Edge (1080 Steel)	1/4" x 6" (.6 cm x 15 cm)	3/8" x 6" (1 cm x 15 cm)
Cutting Edge Angle	70°	70°
Reinforcement Ribs	4 Vertical, 2 Diagonal	6 Vertical, 2 Diagonal
Pivot Pin Bushings (O.D. / I.D.)	1-1/2" / 11/16"	1-1/2" / 11/16"
Snowfoil	Optional	Optional

**PUSH FRAME ATTACHMENT BAR**

Cross Bracing	1-1/2" x 3/16" Plate	1-1/2" x 3/16" Plate
Moldboard Attachment Pins	5/8" GR5, QTY 2	5/8" GR5, QTY 2
Pivot Pin Diameter	5/8" GR5	5/8" GR5

**PUSH FRAME**

Super Structure	1-11/16" x 2" x 3/16"	1-11/16" x 2" x 3/16"
Cross Bracing	1-9/16" x 3/16" Plate	1-9/16" x 3/16" Plate
Angle Pivot Pin Diameter	5/8" GR5	5/8" GR5
Pivot Pin Bushing (O.D. / I.D.)	1-1/2" / 11/16"	1-1/2" / 11/16"

**TRIP MECHANISM**

Trip Method	Full Moldboard	Full Moldboard
Trip Springs	2	2
Trip Spring Type	0.375" Hooked Extension Spring	0.375" Hooked Extension Spring
Trip Spring Adjustment	Spade Bolt	Spade Bolt

**LIGHTING**

	Smartlight 2™
Material	Dual Halogen bulb with Turn/Park lamp integrated into headlight housing
Dimensions	Polycarbonate lens, Nylon housing 15-1/2" Wide X 7" High X 6-1/2" Deep
Mounting	Fully adjustable 5 bolt retaining clamp
Bulbs	Halogen, Replacement Bulb:H9 (High Beam) / HIR2 (Low Beam) 65 Watts @ 12VDC (High Beam), 55 Watts @ 12VDC (Low Beam) Meets SAE and FMVSS 108 Specifications

**CONTROLS**

SmartTouch 2™ Hand Held Control (standard):	3 Soft Touch Illuminated buttons - Automatic Float Fully Independent Function Control
Joystick (optional):	4 position Joystick with Detented Float Position Fully Independent Function Control

**HYDRAULIC SYSTEM PERFORMANCE**

Angling	3-1/2 Seconds at Full Pressure
Lift	2 Seconds at Full Pressure
Lower	Pre-set Flow Control

**POWER UNIT**

Construction	Heavy Duty, Cast Iron Pump Housing
Mounting	Plow Mounted with Enclosure Cover
Reservoir Capacity	2 Quart
Type	Fixed Displacement Gear Pump, 1/8" Wide Gear Face (.065 cu.in/rev)
Flow Rate	.85 GPM (3.2 LITER/MIN) @ 1500 PSI
Motor	12 VDC High Torque Motor
Amp Draw	125 Amps, 12 VDC, @ 1500 PSI
Relief Setting	2000 PSI Full Bypass Relief
Filtration	100 Mesh Screen on Inlet and Exhaust Tubes



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	<b>7'0" SPORT-DUTY</b>	<b>7'6" SPORT-DUTY</b>
<b>CYLINDERS</b>		
Angling Cylinders		
Quantity	2	2
Stroke	6-1/2"	6-1/2"
Rod Diameter	1-1/2"	1-1/2"
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals
Lift Cylinders		
Quantity	1	1
Type	Direct Acting, Pull Type	Direct Acting, Pull Type
Stroke	10"	10"
Rod Diameter	1.125"	1.125"
Piston Diameter	1.750"	1.750"
Seal	Polyurethane and Buna-N Double Lip Seals	Polyurethane and Buna-N Double Lip Seals
<b>VALVE MANIFOLD</b>		
Type	Remote Mounted, Cartridge Valve Manifold	
Material	Anodized 6061 Marine Grade Aluminum	
Valves	2 Solenoid-Operated, 2-Way, Piloted Poppet Control Valves 1 Solenoid-Operated, 4-Way, 3 Position Spool Control Valve 1 Cross-over Relief Valve (3800 PSI Setting) 3 100 Mesh Filter Screens	
<b>QUICK HITCH SYSTEM</b>		
Undercarriage System	RT3	RT3
Hitch System	SmartHitch 2™	SmartHitch 2™
<b>MISCELLANEOUS</b>		
Blade Adjustable Plow Shoe	Optional Cast Iron Wear Pad with 1" Steel Rod.	Optional Cast Iron Wear Pad with 1" Steel Rod.
<b>PLOW WEIGHT*</b>	372 lb (169 kg)	421 lb (191 kg)
<b>WARRANTY</b>	Limited 2 year Parts and Labor	Limited 2 year Parts and Labor

\* Plow weight does not include mount weight. Vehicle mount weight range: 45-75 lb.

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